PollChief®
A Division of Konnech

Konnech®
Election Administration Tools
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AB VOTE®
A DIVISION OF KONNECH

December 11, 2015Stephanie Goebel
RFI Coordinator
Project Manager
stephanie.goebel@sos.wa.gov
360.725.0301

Re: Washington RFI 16-04 Modernized Election System for Washington State
Dear:

Thank you for this opportunity to submit a proposal.

Konnech is an elections-specialized software development firm. We are a leader in the industry, renowned for our fast response times in meeting the needs of our customers, our elegant and innovative solutions, our intricate mapping, our extensive mobile elections solutions, and our effortless interweaving of multiple programs into a single, seamless experience.

We have experience with every aspect mentioned in this RFP. We invite you to thoroughly discuss our expertise, our responsiveness, our products, and our service with our clients.

We look forward to working with you.

Sincerely,

Eugene Yu
President
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517-381-1830
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To differentiate the text, text quoted from the RFI will be presented in a cell in blue font. Text quoted from the RFI's Exhibit B Business Requirements will be presented in purple font. Most of our responses will be in black font, but any specific text we suggest adding in will be in green font.

1 Additional Requirement Recommendations

1. Exhibit B contains business requirements for the Washington State Modernized Elections System. (Note the scope of requirements excludes ballot creation and Tabulation.) Vendors are requested to validate and proof the business requirements to identify any requirements they believe have overlooked. Please provide a list of additional business requirements you recommend we consider for inclusion in a future RFP.

Suggest the request be expanded to include petition verification-that is, a system using mobile technology to:

> swipe a petition signer's driver's license and instantly tell the signature collector whether the signer is a registered voter in the correct district for this petition and whether the person has already signed,
>
> either snap a photo of the signature or collect signature with a stylus on the screen of the mobile device,
>
> tally the quantity of qualified signatures on an ongoing basis,
>
> create a memory device such as a thumb drive to be handed to the election officials along with the paper petitions, listing and summarizing the results and displaying the petition signature next to the voter registration/DMV signature, and
>
> listing the signature in the voter's history file (if that is a requirement for the State's registration database).

Suggest the request be expanded to include poll worker management -- recruiting, hiring, assigning, training, attendance-taking, paying, and two-way communicating.

Suggest the request be expanded to include electronic onsite attendance taking for poll workers with check-in and check-out times that automatically fill in to their pay sheets.

Suggest the request be expanded to include location management—reserving, surveying, renting, equipping, paying, and two-way communicating with owners and onsite custodians.

Suggest the request be expanded to include mobile electronic site surveys of election lcations such as drop boxes and voting centers.

Suggest the request be expanded to include a public facing portal for poll workers, where they can see their assignments, volunteer to serve in an election, view assigned classes, switch from one class into a different class, review their payroll, and take online training.

Suggest the request be expanded to include asset management, both sensitive tracked assets and supplies.

Suggest the request be expanded to include tracking of logic and accuracy testing of voting machines.

Suggest the request be expanded to include an election call center/help desk.

2F. Uniformed and Overseas Citizens Absentee Voting Act (UOCAVA)

Suggest this section be expanded to add:

The system must allow uniformed and overseas voter to apply for and deliver electronic ballots.

The system must accommodate uniformed and overseas voters to use computer browsers and smart phones and tablets to access the system, receive their ballots, and mark their ballots.

The system must generate an FPCA for UOCAVA voters and must capture the information entered by the voter and display it for the election administrators.

The system must display the information entered into the FPCA and the information from the voter registration database, along with an image of the voter's signature.

The system must include the capability to send UOCAVA voters an email with PIN and link to access an on-screen markable ballot specific to that voter's precinct and split.

The electronic ballot must allow vision-disabled UOCAVA voters to encounter a single contest at a time rather than a scroll-down ballot.

The electronic ballot must use verification codes that can be read by blind UOCAVA voters' screen readers.

The electronic ballot must provide the option of hearing instructions voiced aloud and speaking the choices aloud to accommodate vision-impaired UOCAVA voters.

The electronic ballot must provide an alternate marking method for UOCAVA voters suffering dexterity and voice distortion disabilities.

The electronic ballot delivery system must be completely navigable by screen readers and Braille readers for vision challenged UOCAVA voters.

11	System must be compliant with state and federal ADA requirements Section 508 as well as the Web Content Accessibility Guidelines (WCAG) 2.0. Detail all accessibility standards to which your system complies.

Suggest Requirement #11 be expanded beyond the current language. Most of the existing published federal and State standards relate to physical barriers to travel and facilities. Since this system will be software, we suggest for the public facing pages you consider listing computer accessibility guidelines such as:

Accessible from mobile devices using iOS, Android, and WAP operating systems

Accessible from computers using common web browsers readable by screen readers and Braille readers.

Public facing screens follow a pattern of one step below another, to prevent vision impaired users getting lost on the screen.

Public facing screens' field labels in text, rather than images.

Public facing screens requiring verification codes are specialized to enable verification by those with both vision and hearing disabilities, unlike standard verifications such as 'Captchas'.

Public facing screens accessed by smart phone users compatible with wireless Braille, VoiceOver, Speak Screen, Siri, Dictation, Zoom, Font Adjustments, Invert Colors and Grayscale.

39	The public site must include the capability to perform a general information lookup (similar to the VIP project) without requiring authentication, such as but not limited to: Candidates Voting districts Elected officials Dropboxes Voting centers

Suggest that item 39 be more explicit, that is, that the first sentence be reworded to say "The public site must include the capability to perform a general information lookup (similar to the VIP project) without requiring authentication by entry of street address entry of any personally identifying information such as name, date of birth, et cetera", such as but not limited to:

Candidates
Voting districts
Elected officials
Dropboxes
Voting centers
Sample Ballots

Mapped Directions
Hours of Operation

87	System must allow for the comparison of voters based on date of birth, similar names or any other useful comparison data.

Suggest that requirement 87 be expanded a bit to explicitly state "based on date of birth, similar names, duplicate IP addresses, duplicate email addresses, duplicate residential addresses, or any other useful comparison data."

3B. Electronically Delivered Ballot Preparation	
244	System must have the capability to display electronically delivered ballots for overlapping elections at the same time for a single voter. (Voter data – precinct, address – may differ from one election to another.)
245	System must produce voter details and ballot style/type details by voter type in order to support delivery of ballots.
246	System must trigger update of voter status from inactive to active upon voter request of electronically delivered replacement ballot.

Suggest a requirement be added that the server scrub all ballot marks from memory the instant a voter using a computer browser closes the program. This is a security measure to ensure no hackers can learn how an individual voter, and no one could ever be accused of using the system to get an advance look at voting returns.

Suggest a requirement be added that Android and iOS smart phones and tablets be able to use an app to mark their electronically accessed ballots, with marking occurring only in the local memory of the device. The apps will make the system more availability to a wider segment of the voting population. Setting the marks to occur only in the local memory of the device ensures even greater confidentiality.

Suggest a requirement be added that the mobile app scrub all ballot marks from the smart phone/smart tablet memory the instant a voter using a mobile device app to mark the ballot closes the program. This ensures that even if someone other than the voter uses his phone or tablet, the person won't be able to see how the voter voted.

Suggest a requirement be added that all smart phones and tablets be able to use WAP (Web application protocol) to mark their electronically accessed ballots. This will make the program accessible even to those using less common smart phones and tablets such as Blackberry and Windows phone.

Suggest that a requirement be added that the electronically accessed ballots prevent over-voting when marked on screen.

Suggest that a requirement be added that the electronically accessed ballots warn of under-voted contests when marked on screen.

Suggest that a requirement be added that the electronically accessed ballots comply with screen readers and Braille readers.

Suggest that a requirement be added that the option be available in the app to have the instructions and text of electronically accessed ballots voiced aloud by the mobile device.

2 Exotic Requirement Recommendations

2. Also pertaining to business requirements in Exhibit B, please identify any requirements you believe to be exotic. In other words, identify any requirements that you believe are uncommon, difficult to fulfill, or for any other reason contribute significant cost and/or time to the Modernized Elections System? Please identify which, if any, of the identified requirements are exotic and why.

3 High Availability Recommendations

3. Exhibit A contains the WA OCIO IT Security policies. Within Exhibit B, there is a worksheet titled "Critical Election Periods". Washington State Elections Officials desire a solution that balances the provision of uninterrupted services during critical election periods with cost. Please provide a recommendation for high availability.

We strongly suggest that the service be provided by cloud or hyper-cloud environment.

4 Disaster Recovery Recommendation

4. Exhibit A contains the WA OCIO IT Security policies. Within Exhibit B, there is a worksheet titled "Critical Election Periods". Washington State Elections Officials desire a solution that balances the provision of uninterrupted services during critical election periods with cost. Please provide a recommendation for disaster recovery.

Cloud service provide a balance of cost, speed, and stability. Back up/fall over servers located far away provide continuity of service and guard against data loss.

5 System Integration Approach and Methodology Recommendations

5. Please provide a recommendation for system integration approach and methodology, which most effectively supports the specified business requirements and other concerns mentioned in the Background and Objective section.

Allowing the vendors to describe their system approach and methodology, rather than mandating a specific methodology, will permit flexibility in overcoming glitches that may arise in the development of the system.

6 Project Management Approach and Methodology Recommendations

6. Please provide a recommendation for management project approach and methodology, which most effectively supports the specified business requirements, other concerns mentioned in the Background and Objective section and project values of transparency and collaboration amongst the state's 40 separately elected Elections Officials.

Allowing the vendors to describe their project management approach and methodology, rather than mandating a specific methodology, will permit flexibility in overcoming glitches that may arise in the development of the system. Konnech will provide a project related content management system like Microsoft SharePoint so the communication can be conducted effectively and efficiently.

7 Funding and Cost Distribution Recommendations

7. Please provide a recommendation for funding approach and cost distribution, which most effectively supports the specified business requirements, other concerns mentioned in the Background and Objective section and project values of transparency and collaboration amongst the state's 40 separately elected Elections Officials. Please include citations of the recommended approach in place throughout state and local governments.

We suggest that the costs of the project, both initial development and in ongoing years, be evenly levied according to the number of registered voters within each election jurisdiction. The pro rata share could be reassessed once every four years or so. Any county which wished in the future to add specialized features and functions could then pay a negotiated rate for the addition of those developments.

8 Data Conversion, Migration, Collaboration Recommendations

8. Please provide a recommendation for data conversion and migration, which most effectively supports the specified business requirements, other concerns mentioned in the Background and Objective section and project values of transparency and collaboration amongst the state's 40 separately elected Elections Officials.

More understanding of current operation of all counties and state are needed.

9 User Design Recommendations

9. Please provide a recommendation for user experience design approach and methodology, which most effectively supports the specified business requirements, maximum stakeholder usability and adoption and project values of transparency and collaboration amongst the state's 40 separately elected Elections Officials.

Konnech has designed its system to be usable by computer neophytes as well as technophiles.

Many of Konnech's clients are staffed by workers of an advanced age who have only recently been introduced to electronic technology such as computers, email, and mobile phones. The screens and processes have therefore been designed with simple language and logical steps. Even the very aged voters of Washington DC are able to use the District's online voter registration and information platform from Konnech. In 2010 the evaluators for the FVAP, in evaluating all the vendors who provided a UOCAVA ballot wizard, found that Konnech's system

provided the fastest and easiest process for the voters as well as the fullest back end for the administrators. This attests to the thoughtful design and programming inherent to Konnech's systems.

Data warehouse.

The data warehouse concept simplifies usage by gathering all data within a single program.

Consistent layout.

Most records follow the same general layout, so that users become accustomed to the pattern.

PollChief® follows a pattern throughout the modules to provide for easy, consistent navigations. Each module opens with a dashboard. Switch from module to module at a dropdown menu at the upper right. Switch from election to election in a dropdown menu near the upper center. Each module has a main menu down the left side of the screen, which is where the reports generator is found. Usually there is a search filter on the right side. Within each screen there are a number of buttons for functions, exports, imports, and views. In the listings, we often displays a symbol next to a name in order to present as much information as possible at the single glance.

Within the individual records for voters, candidates, buildings, workers, and assets, the system again follows a pattern.

The appearance within the records (such as precincts, polling places, workers, assets, voters) also follows a consistent pattern. The record numbers and names and classification appear in the upper left quadrant. Additional information such as geo-political information follow. Extras such as attachments, signature images, photos, and maps appear in the upper right quadrant. Tabs lined across the top and bottom contain information such as, for voters, voting history, provisional voting history, districts, communications history, candidacy, elected office history, and activity log, or, for tracked assets, service history, election usage history, other in/out history, testing, and install history.

Minimal graphics.

Consistent with the recommendations of the Federal Voter Assistance Program, Konnech's public facing pages are designed with minimal graphics, to accommodate voters who may have minimal computer RAM and who may have only dial-up web access.

Disabled accessible.

The flow, screens, and instructions are designed with disabilities in mind.

Administrative screens are normally accessed from desktop or laptop computers, so the programs must be compatible with screen readers and Braille readers.

Public facing screens follow a pattern of one step below another, to prevent vision impaired users getting lost on the screen.

Public facing screens' field labels are text, rather than images.

Public facing screens allow zoom.

Public facing screens requiring verification codes are specialized to enable verification by those with vision and hearing disabilities, unlike standard verifications such as 'Captchas'.

Public facing screens accessed by computer browser are readable by screen readers and Braille readers.

Public facing screens accessed by smart phone users include – wireless Braille, VoiceOver, Speak Screen, Siri, Dictation, Zoom, Font Adjustments, Invert Colors and Grayscale.

Voters authorized to receive a ballot electronically (such as UOCAVA and in some States disabled or late voters) can mark their ballot by tapping/clicking on their choice or by speaking their choices aloud or by gestures.

Geo-political options

Geo-political information, such as street index, buildings, precincts, districts, and areas, is presented in both English as well as in Google maps with step-by-step directions for walking, driving, or public transit, to accommodate both users who work well with maps and those who need oral directions, those who drive and those who walk, bike, or take a bus.

10 System Support Recommendations

10. Please provide a recommendation for system support, including service and maintenance, service level agreements and helpdesk, which most effectively supports the specified business requirements, other concerns mentioned in the Background and Objective section and project values of transparency and collaboration amongst the state's 40 separately elected Elections Officials.

1. Resolution of Service Issues

Definitions:

Product Software Defects - Those defects attributable to Konnech software products accessed through or downloaded from the Konnech website, excepting defects directly or indirectly resulting from any software resident on Client's computer system, any non-Konnech software resident on the Internet, or any Client or Internet service provider hardware failure that may negatively impact use of the messaging service.

Service Issue - Any Product Software Defect or inability to use the service as the result of a Product Software Defect shall be referred to as a "Service Issue."

There are three categories of Service Issues:

Priority I Service Issue A Service Issue that prevents the staffs from performing critical administrative tasks. Critical administrative tasks for administrators are: the creating and sending emergency alert messages; Critical administrative tasks for staffs are: None.

Priority 2 Service Issue A Service issue that prevents the staff from accessing other elements of the program or performing urgent administrative tasks.

Priority 3 Service Issue Any Service Issue not defined as a priority I or 2 Service Issue.

Service Issue Resolution Process

Staffs encountering Service Issues should first contact the internal administration. The training Konnech provides will equip the at least one supervisor in the department to deal with the most common issues staff might face. If these supervisors cannot resolve the identified Issue, it will be assigned to the Konnech certified professional(s) designated during the Konnech training.

In the event the Konnech certified professional cannot be reached, additional Konnech resources can be contacted to assist in resolving the issue using the toll free number provided during the Konnech training.

2. Service Response

Konnech will make all reasonable efforts to resolve all Priority I and 2 Issues within 24 hours. In the event a Priority I or 2 Issue requires more than 24 hours the Client will be notified with an expected resolution time. Any Priority I or 2 Issue which requires more than 24 hours to resolve will result in a no-fee contract extension equivalent to the period for which service was unavailable.

Konnech will make all reasonable efforts to resolve all Priority 3 Issues with 120 hours. In the event a Priority 3 Issue requires more than 120 hours the Client will be notified with an expected resolution time. Some Priority 3 Issues may not be resolved until the next product release. All Clients are eligible for new releases at no charge during their Konnech contract term.

3. Service Issue Escalation

The Konnech certified professional(s) identified during the Konnech training is the primary contact for all Service Issues and is responsible for all Client communications. If the certified professional resolution of a Service Issue does not completely resolve it to the Client's satisfaction, please contact the Konnech team directly via email at: Support@Konnech .com with the subject line: "Service Issue—County and contact name". Please include a brief description of the Service Issue and applicable contact information.

11 Contractual Vehicles Strategies Recommendations

11. Please provide a recommendation for contract vehicles and strategies in support of your recommended approach to system support and system integration.

We recommend a contract which stipulates a first year of designing, developing, training, hosting, and migrating data for the system as described in the RFP at a set price. New functions or features which the State may impose after the project begins which were not in the RFP would be paid for at an hourly rate.

We recommend that the annual rate after the first year include hosting, maintenance, licensing, and a pre-set number of refresher webinar training sessions (probably one per election jurisdiction).

We recommend that extras requested by individual election jurisdictions, such as on-site visits, trainings beyond the planned annual training, and new features or functions, be paid at a pre-negotiated rate by the election jurisdiction.

12 Testing Recommendations

12. Please provide a recommendation for testing, complete through final acceptance testing and to include a mock election.

We suggest each module be tested throughout the development process as it is completed. The vendor performs alpha testing before the module is released on the testing site for beta testing by the State's project team.

Voter registration database module—voter profile, lists, precincts/splits, voter history, mail lists, absentee requests, reports

Voter information platform—locations (precincts, drop boxes, vote centers), hours, maps, registration/absentee/FPCA forms generation, sample ballots, reports

UOCAVA ballot access delivery module—application, information analysis, approval/denial, emails to voter, ballot posting, ballot marking, entry of returned ballot into system, reports

Candidate Filing—application, contest creation, calendar, reminder emails, financial filings, ballot exports, reports

Election Results Posting—contest creation, tabulation data interpretation, display by precinct, election jurisdiction, and State wide

13 Training Recommendations

13. Please provide a recommendation for training. Elections Administrators and Staff around the state possess an intimate familiarity with their existing systems. We will require a training plan that enables county and state users to develop a high degree of comfort with the replacement system(s) in advance of go-live in order to support a seamless implementation for all Washington State elections stakeholders. Training to include internal users and administrators/IT support staff.

We feel that truly learning a new system takes time, repetition, hands-on practice, and readable documentation. We also feel that only so much information can be absorbed at one fell swoop, so a single lesson should not cover every conceivable subject.

We recommend an initial series of training webinars, followed by refresher follow-up webinars, followed by onsite training at the State capital. The State level administrators would train separately from the jurisdictions in separate webinars because some of their functions are different.

The initial training webinars should cover only one module or section of a module at a time and should be attended by at least two administrators per jurisdiction, up to four jurisdictions per webinar. A set of practice 'homework' exercises would be assigned so that the attendees could practice performing the functions they had learned in the testing 'sandbox' server. A manual would be available for them to refer to if they should get confused.

The follow-up refresher webinars should also be attended by two administrators per jurisdiction, up to four jurisdictions per webinar. In these follow-up webinars, the administrators would discuss any difficulties or questions that had arisen during the homework exercises, and might put forward suggestions for improvements to the systems. The election juridictions should have the option of attending more than one follow-up webinar.

Each webinar would last about three hours.

During this learning period, the Konnech trainer would be available by phone and email at all times to answer questions.

After the first year, we recommend an annual set of refresher webinars for each subject matter.

The curricula would be as follows:

Webinar Subject	Skills
County public facing website management	Setting up administrator roles with access levels Authorizing administrative users Posting videos, links, photos, calendars, announcements, etc., to public-facing page. Publishing and suppressing elements.
Voter registration database module—Unit One	Viewing and navigating voter profile, lists, precincts/splits, voter history, Searching and filtering Logging voter communications Attaching documents Initiating new elections Web logs

Voter registration database module—Unit Two	Viewing and comparing DOL data Retrieving real time DOL signatures Creating and printing mail lists, Over-riding and editing Geo-political address management Changing voter status Deactivating voters Felon management Deceased voter processing Incapacitated voter processing
Voter registration database module—Unit Three	Posting alternate language text Processing absentee requests—manually, from intelligent document scanner, and from online request Processing UOCAVA requests— manually, from intelligent document scanner, and from online request. FPCAs, FWABs, voted ballots. Yearly UOCAVA FPCA File (YUFF) database. Notifications of elections. Receiving and entering voted ballots Processing registration requests— manually, from intelligent document scanner, and from online request Moving voters to a different county, receiving voters from a different county. Issuing voter registration and notification cards Generating confirmation notices, requests for information, requests for signature, opt out cards, cancellation notices, and general correspondence. Extracting voter registration information Data extracts of publicly available date Data extract by selected district for salary commission pool. Random drawing Creating reports
Candidate Filing	Candidate portal Entering offices Entering ballot questions Entering candidates manually Approving candidates Deleting candidates Accepting/processing ballot input files and exporting/creating ballot export files. Candidate applications submitted online. Voter pamphlet information Candidate Statement field Video upload Candidate photo upload Setting deadlines Creating and scheduling mass email reminders

	Candidate online financial filing process Exporting a standard export file of election data for ballot styles districts (offices, candidate names, ballot questions) for ballot styles and that can be imported into tabulations systems Importing election results
iPetioner	Setting up Setting eligible voter definitions Daily registered voter updates Identifying petitioner circulator Identifying signature collectors Identifying signer—magnetic swiper and name entry Collecting signature Nightly updates Report generation Petition submission Signature verification Certification
Voter Pamphlet	Extracting voter pamphlet Verifying candidate and measure data Entering language translations Importing photos Editing designing Formatting
Certification	Entering reconciliation data Recording ballot data Uploading vote totals Comparing counts Identifying discrepancies Electronic signature Locking Generating certification documents—Canvass Boardand county State reconciliation form Exporting to Election Results Posting System
Election Results Posting	Set up State wide and county Importing exporting tabulations Import export certification documents Reviewing Publishing
Voter Information Platform	locations (precincts, drop boxes, vote centers), Election calendar hours, maps, Identification registration/absentee/FPCA forms generation,

	Election alerts and reminders Posting sample ballots Mobile Device usage Candidate Statements
Accounting Module	Entering election costs Cost distribution calculation
Bills	Set up Sponsor entry Bill entry Import export

The webinars for the State level administrators would cover the same subjects, and would additionally cover viewing, searching, and reporting from a State-wide bird's eye view as well as from a county-level view and Department of Licensing updates and interfaces and State certifications.

(12 webinar subjects) x (10 county + 1 State) x (One initial plus 2 refreshers) = 396 webinars

Each webinar will last approximately 3 hours

Followed up by one on-site State visit for one week

Each module would have two manuals—one for the jurisdiction level users and one for the State level users.

14 Documentation Recommendations

14. Please provide a recommendation for documentation, including internal, external, and administrator.

The documentation would be posted to a share point

Module	Manuals
County Public Facing Main Page	1. State Super Admin 2. State staff 3. State IT manager 4. County Administrator 5. County Staff 6. County IT Manager
Voter Registration	1. State Super Admin 2. State staff 3. State IT manager 4. County Administrator 5. County Staff 6. County IT Manager County Administrator and Staff
iPetitioner	1. State Super Admin 2. State staff 3. State IT manager 4. County Administrator

	5. County Staff 6. County IT Manager
Candidate Filing	1. State Super Admin 2. State staff 3. State IT manager 4. County Administrator 5. County Staff 6. County IT Manager
Election Results Posting	1. State Super Admin 2. State staff 3. State IT manager 4. County Administrator 5. County Staff 6. County IT Manager
Voter Information Platform	1. State Super Admin 2. State staff 3. State IT manager 4. County Administrator 5. County Staff 6. County IT Manager
Voter Pamphlets	1. State Super Admin 2. State staff 3. State IT manager 4. County Administrator 5. County Staff 6. County IT Manager
Certification	1. State Super Admin 2. State staff 3. State IT manager 4. County Administrator 5. County Staff 6. County IT Manager
Accounting	1. State Super Admin 2. State staff 3. State IT manager 4. County Administrator 5. County Staff 6. County IT Manager
Bills	1. State Super Admin 2. State staff 3. State IT manager 4. County Administrator 5. County Staff 6. County IT Manager

15 Voter Outreach Recommendations

15. Please provide a recommendation of voter outreach requirements for the Modernized Elections System.

The system would include a Voter Information Platform. The voter information platform allows the users to authorize election reminders. The voter can opt for email notices or for push notices. The election administrators can choose the text and date of the election reminders. They can use computer web browsers, Apple smart phones/tablets with an iOS app, Android smart phones/tablets with an Android, and all other smart phones/tablets with a WAP (Wireless Application Protocol) for all other mobile devices running on platforms such as Blackberry or Windows phone.

The Voter Information Platform provides election dates, voting/ballot drop locations, maps, and times, State ID requirements, sample ballots, registration application forms, absentee ballot request forms, FPCA forms, and jurisdiction contact information.

Some States expand the ABVote® platform to (a) perform online registration, (b) deliver ballot access electronically to UOCAVA voters, and (c) deliver ballot access electronically to disabled voters.

16 Timeline Estimate

16. Please provide a timeline estimate for implementation of your envisioned solution in response to business requirements in Exhibit B and your responses to items 1 – 14 above.

Overall, we expect a year and a half initialization process. This initialization process would include design, development, coding, setting up share point, setting up servers, translating many existing data sets from both the State and the counties, setting up the framework, migrating databases, composing documentation, training, testing, and refining the system.

Hub-Node architecture with County public-facing web pages	One month
Voter registration module	Six months
Candidate Filing Module	One month
Election Results Posting Module	One month
Voter Information Platform	One month
iPetitioner	One month
Certification Module	One month
Accounting Module	One month
Voter Pamphlet	One month
Training	One and a half months
Data Migration	One month
User Acceptance Testing	Two weeks

17. Please provide a cost estimate for implementation of your envisioned solution in response to business requirements in Exhibit B and your responses to items 1 – 15 above.

Module	Initialization (18 months)	Annual Renewal
Hub-Node architecture with County public-facing web pages	100,000	30,000
Voter Registration Database Voter records, election setting, street index, attachments, intelligent digital scanner interpretation, reports, CASS certified mass mailings, mass emails, Multiple language translations	1,500,000	210,000
Candidate Filing Module	200,000	30,000
Election Results Posting Module	200,000	30,000
Voter Information Platform	150,000	30,000
Certification Module	200,000	30,000
Accounting Module	200,000	30,000
Voter Pamphlet	150,000	30,000
iPetioner	200,000	30,000
VotEdge Accessible App	300,000	
Training (1200 hours + on site visit), On-call trainer for one year (40,000) 100 hours in subsequent years	110,000	5,000
60 Documentation Manuals	120,000	0
Totals	3,430,000	455,000